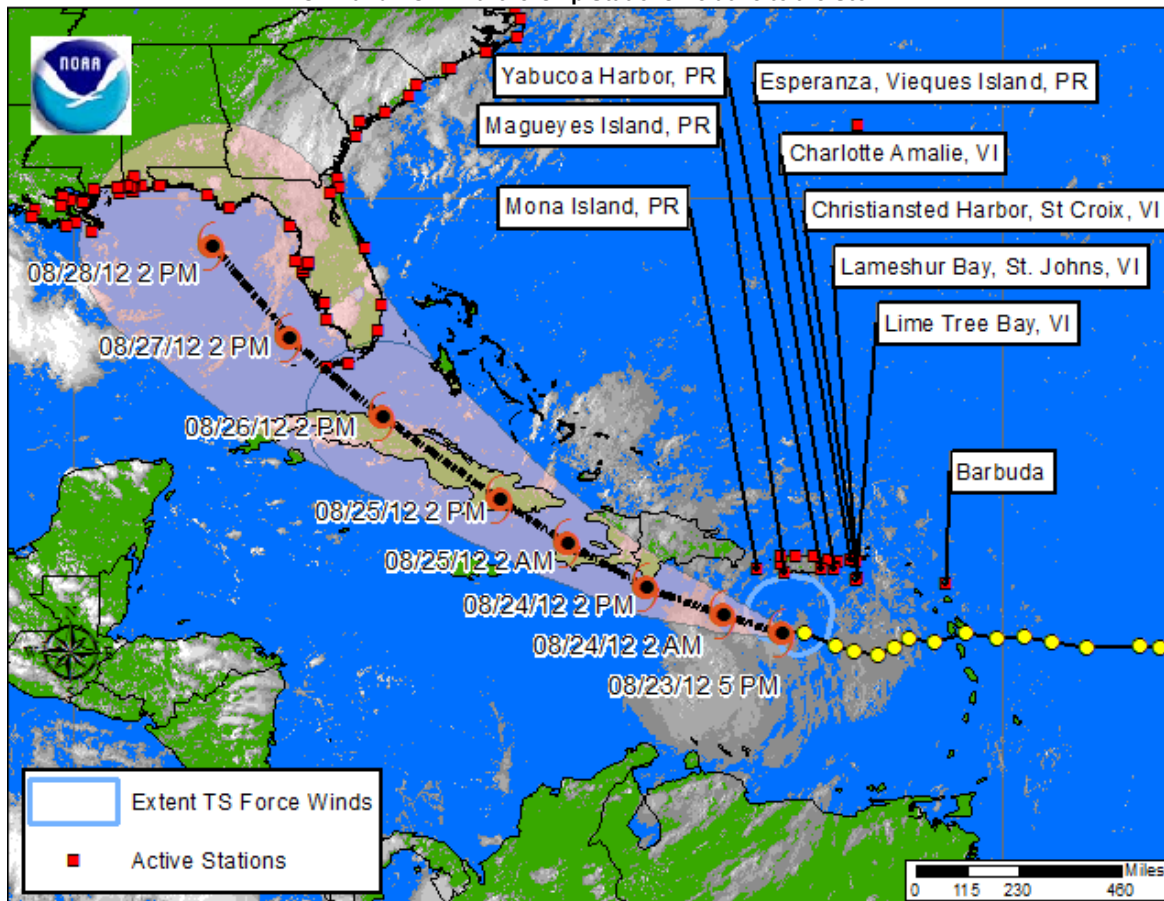




Tropical Storm ISAAC QuickLook  
Posted: 18:00 AST 08/23/2012

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 08/23/2012 18:00 AST, water levels from Barbuda and the U.S. Virgin Islands to Puerto Rico are elevated between 0.5 and 1.0 ft above tidal predictions. Water levels from Barbuda to Puerto Rico have been elevated by up to 0.5 feet above tidal predictions over the past several months. This residual water level is in addition to any storm surge effects from Isaac. Winds across the region vary and are between 5 and 30 knots with higher gusts. Barometric pressure continues to fall in western Puerto Rico but is beginning to rebound in Barbuda.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to [Mean Lower Low Water](#) are:

Christiansted Harbor, St Croix, VI: Next predicted high tides are 0.7 ft (0.21 m) at 08/24/2012 16:23 AST and 0.7 ft (0.23 m) at 08/25/2012 17:29 AST.

Lameshur Bay, St. John, VI: Next predicted high tides are 1.0 ft (0.30 m) at 08/24/2012 16:02 AST and 1.0 ft (0.32 m) at 08/25/2012 17:01 AST.

Lime Tree Bay, VI: Next predicted high tides are 0.9 ft (0.26 m) at 08/24/2012 18:49 AST and 1.0 ft (0.32 m) at 08/25/2012 17:01 AST.

Charlotte Amalie, VI: Next predicted high tides are 1.0 ft (0.30 m) at 08/24/2012 16:12 AST and 1.0 ft (0.32 m) at 08/25/2012 17:15 AST.

Esperanza, Vieques Island, PR: Next predicted high tides are 0.7 ft (0.22 m) at 08/24/2012 17:02 AST and 0.8 ft (0.24 m) at 08/25/2012 17:54 AST.

Yabucoa Harbor, PR: Next predicted high tides are 0.7 ft (0.22 m) at 08/24/2012 17:33 AST and 0.7 ft (0.23 m) at 08/25/2012 18:25 AST.

Magueyes Island, PR: Next predicted high tides are 0.9 ft (0.26 m) at 08/24/2012 18:43 AST and 0.7 ft (0.23 m) at 08/25/2012 18:25 AST.

Mona Island, PR: Next predicted high tides are 0.8 ft (0.25 m) at 08/23/2012 18:36 AST and 0.9 ft (0.28 m) at 08/24/2012 19:21 AST.

Barbuda, BAR: Next predicted high tides are 0.7 ft (0.22 m) at 08/23/2012 19:17 AST and 0.7 ft (0.22 m) at 08/24/2012 19:29 AST.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For information on Highest Astronomical Tide (HAT), NAVD88 and other datums, please see [Tidal Datums](#). For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst:DW

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SELECT [NATIONAL HURRICANE CENTER](#) ADVISORY INFORMATION:

TROPICAL STORM ISAAC ADVISORY NUMBER 11  
NWS NATIONAL HURRICANE CENTER MIAMI FL  
500 PM AST THU AUG 23 2012

...ISAAC CONTINUING WEST-NORTHWESTWARD...NEW WARNINGS AND WATCHES  
FOR THE BAHAMAS AND CUBA...

WATCHES AND WARNINGS

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CHANGES WITH THIS ADVISORY...

THE GOVERNMENT OF THE BAHAMAS HAS ISSUED A TROPICAL STORM WARNING FOR THE SOUTHEASTERN BAHAMAS INCLUDING THE ACKLINS...CROOKED ISLAND...LONG CAY...THE INAGUAS...MAYAGUANA...AND THE RAGGED ISLANDS AND THE TURKS AND CAICOS ISLANDS.

THE GOVERNMENT OF CUBA HAS ISSUED A TROPICAL STORM WATCH FOR THE CUBAN PROVINCES OF CAMAGUEY...LAS TUNAS...GRANMA...HOLGUIN... SANTIAGO DE CUBA...AND GUANTANAMO.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A HURRICANE WARNING IS IN EFFECT FOR...

- \* SOUTH COAST OF DOMINICAN REPUBLIC FROM ISLA SAONA WESTWARD TO THE HAITI-DOMINICAN REPUBLIC SOUTHERN BORDER
- \* HAITI

A TROPICAL STORM WARNING IS IN EFFECT FOR...

- \* BRITISH VIRGIN ISLANDS
- \* PUERTO RICO...VIEQUES...CULEBRA...AND THE U.S. VIRGIN ISLANDS
- \* NORTH COAST OF DOMINICAN REPUBLIC FROM THE HAITI-DOMINICAN REPUBLIC NORTHERN BORDER EASTWARD TO NORTH OF ISLA SAONA
- \* SOUTHEASTERN BAHAMAS INCLUDING THE ACKLINS...CROOKED ISLAND...LONG CAY...THE INAGUAS...MAYAGUANA...AND THE RAGGED ISLANDS AND THE TURKS AND CAICOS ISLANDS

A TROPICAL STORM WATCH IS IN EFFECT FOR...

- \* THE CUBAN PROVINCES OF CAMAGUEY...LAS TUNAS...GRANMA...HOLGUIN... SANTIAGO DE CUBA...AND GUANTANAMO.

A HURRICANE WARNING MEANS THAT HURRICANE CONDITIONS ARE EXPECTED SOMEWHERE WITHIN THE WARNING AREA. PREPARATIONS TO PROTECT LIFE AND PROPERTY SHOULD BE RUSHED TO COMPLETION.

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE

**EXPECTED SOMEWHERE WITHIN THE WARNING AREA WITHIN 36 HOURS.**

**A TROPICAL STORM WATCH MEANS THAT TROPICAL STORM CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA...GENERALLY WITHIN 48 HOURS.**

**INTERESTS IN JAMAICA...THE REMAINDER OF CUBA...THE REMAINDER OF THE BAHAMAS...SOUTH FLORIDA...AND THE FLORIDA KEYS SHOULD MONITOR THE PROGRESS OF ISAAC.**

**FOR STORM INFORMATION SPECIFIC TO YOUR AREA IN THE UNITED STATES...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE. FOR STORM INFORMATION SPECIFIC TO YOUR AREA OUTSIDE THE UNITED STATES...PLEASE MONITOR PRODUCTS**

#### **DISCUSSION AND 48-HOUR OUTLOOK**

**AT 500 PM AST...2100 UTC...THE CENTER OF TROPICAL STORM ISAAC WAS LOCATED NEAR LATITUDE 16.0 NORTH...LONGITUDE 67.1 WEST. ISAAC IS MOVING TOWARD THE WEST-NORTHWEST NEAR 16 MPH AND THIS GENERAL MOTION IS EXPECTED TO CONTINUE THROUGH SATURDAY. ON THE FORECAST TRACK...THE CENTER OF ISAAC WILL APPROACH THE SOUTH COAST OF THE DOMINICAN REPUBLIC TONIGHT...MOVER NEAR OR OVER THE SOUTH COAST OF THE DOMINICAN REPUBLIC AND HAITI ON FRIDAY...AND APPROACH SOUTHEASTERN CUBA FRIDAY NIGHT.**

**MAXIMUM SUSTAINED WINDS ARE NEAR 40 MPH WITH HIGHER GUSTS. STRENGTHENING IS FORECAST DURING THE NEXT 48 HOURS...AND ISAAC COULD BECOME A HURRICANE AS IT NEARS THE DOMINICAN REPUBLIC AND HAITI ON FRIDAY.**

**TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 140 MILES MAINLY TO THE NORTHEAST OF THE CENTER.**

**THE ESTIMATED MINIMUM CENTRAL PRESSURE BASED ON HURRICANE HUNTER AIRCRAFT AND BUOY DATA IS 1003 MB...29.62 INCHES. NOAA BUOY 42059 RECENTLY REPORTED A PRESSURE OF 1004.1 MB...29.65 INCHES.**

#### **HAZARDS AFFECTING LAND**

**WIND...TROPICAL STORM CONDITIONS ARE STILL POSSIBLE OVER PORTIONS OF PUERTO RICO AND THE U.S. AND BRITISH VIRGIN ISLANDS THIS EVENING. HURRICANE CONDITIONS ARE STILL POSSIBLE OVER PORTIONS OF THE DOMINICAN REPUBLIC BY FRIDAY...AND OVER PORTIONS OF HAITI FRIDAY OR FRIDAY NIGHT. TROPICAL STORM CONDITIONS ARE EXPECTED OVER THE SOUTHEASTERN BAHAMAS AND THE TURKS AND CAICOS ISLANDS BY LATE FRIDAY. TROPICAL STORM CONDITIONS ARE POSSIBLE OVER SOUTHEASTERN CUBA BY SATURDAY.**

**RAINFALL...TOTAL RAINFALL ACCUMULATIONS OF 8 TO 12 INCHES... WITH MAXIMUM AMOUNTS OF 20 INCHES...ARE POSSIBLE OVER HISPANIOLA. THESE RAINS COULD CAUSE LIFE-THREATENING FLASH FLOODS AND MUD SLIDES. TOTAL RAIN ACCUMULATIONS OF 2 TO 4 INCHES...WITH MAXIMUM AMOUNTS OF 6 INCHES OVER HIGHER TERRAIN...ARE POSSIBLE OVER PUERTO RICO AND THE VIRGIN ISLANDS. TOTAL RAIN ACCUMULATIONS OF 4 TO 8 INCHES ARE POSSIBLE OVER THE NORTHERN WINDWARD ISLANDS AND THE LEEWARD ISLANDS.**

**STORM SURGE...A STORM SURGE WILL RAISE WATER LEVELS BY AS MUCH AS 3 TO 5 FEET ABOVE NORMAL TIDE LEVELS IN AREAS OF ONSHORE WINDS ALONG THE COAST OF HISPANIOLA. STORM SURGE IN PUERTO RICO...AS WELL AS THE U.S. AND BRITISH VIRGIN ISLANDS WILL GRADUALLY SUBSIDE TONIGHT. NEAR THE COAST...THE SURGE WILL BE ACCOMPANIED BY DANGEROUS WAVES.**

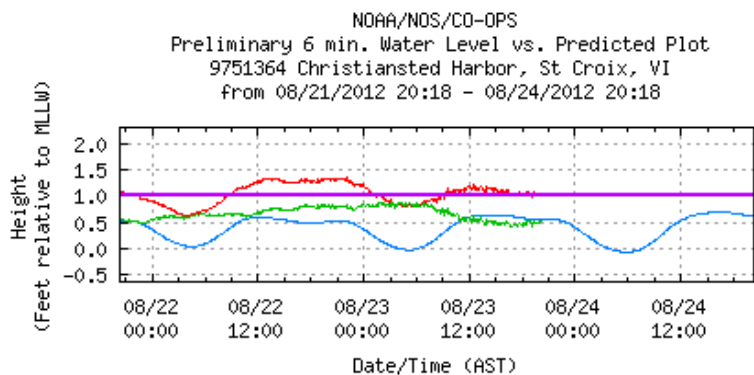
**SURF...DANGEROUS SURF AND RIP CURRENT CONDITIONS WILL AFFECT THE WINDWARD ISLANDS...LEEWARD ISLANDS...VIRGIN ISLANDS...AND PUERTO RICO DURING THE NEXT COUPLE OF DAYS. PLEASE CONSULT PRODUCTS FROM YOUR LOCAL WEATHER OFFICE FOR MORE INFORMATION.**

**FORECASTER BEVEN**

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Christiansted Harbor, St Croix - Water Level](#),  
[Christiansted Harbor, St Croix - Winds](#), [Christiansted Harbor, St Croix - Barometric](#),  
[Lameshur Bay, St. John - Water Level](#), [Lime Tree Bay - Water Level](#),  
[Lime Tree Bay - Winds](#), [Lime Tree Bay - Barometric](#), [Charlotte Amalie - Water Level](#),  
[Charlotte Amalie - Winds](#), [Charlotte Amalie - Barometric](#),  
[Esperanza, Vieques Island - Water Level](#), [Esperanza, Vieques Island - Winds](#),  
[Esperanza, Vieques Island - Barometric](#), [Yabucoa Harbor - Water Level](#),  
[Yabucoa Harbor - Winds](#), [Magueyes Island - Water Level](#), [Magueyes Island - Winds](#),  
[Magueyes Island - Barometric](#), [Mona Island - Water Level](#), [Barbuda - Water Level](#),  
[Barbuda - Winds](#), [Barbuda - Barometric](#),

### [Christiansted Harbor, St Croix, VI](#) - [Return to List](#)



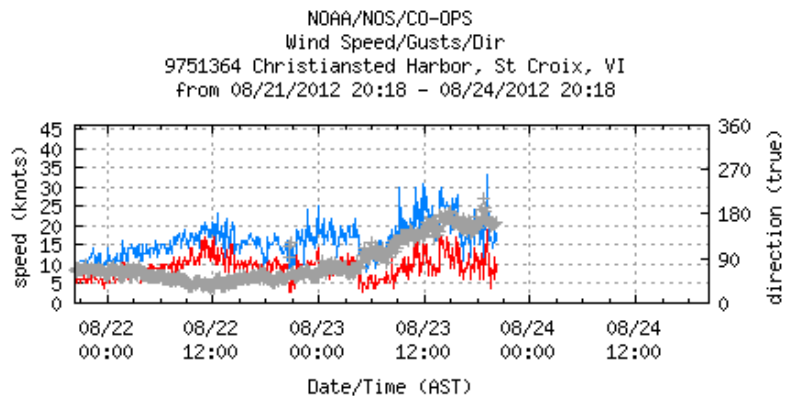
Predicted Tide ——— (Obs-Pred) ———  
 Observed WL ——— HAT ———

Last Observed Sample: 08/23/2012 20:06 (AST)

Relative to [MLLW](#): Observed: 1.07 ft. Predicted: 0.56 ft. Residual: 0.51 ft.

Historical Maximum Water Level: Oct 16 2008, 1.17 ft. above [MHHW](#)

### [Christiansted Harbor, St Croix, VI](#) - [Return to List](#)



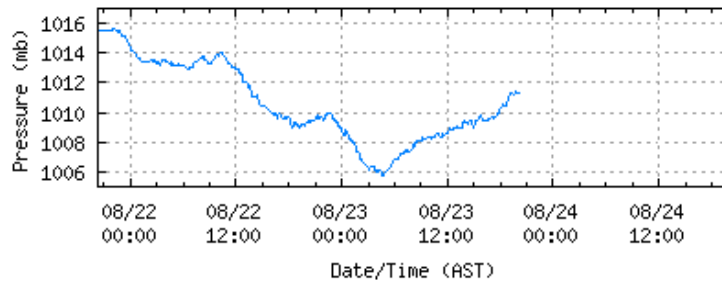
speed ——— gusts ——— direction +

Last Observed Sample: 08/23/2012 20:06 (AST)

Wind Speed: 8 knots Gusts: 16 knots Direction: 164° T

### [Christiansted Harbor, St Croix, VI](#) - [Return to List](#)

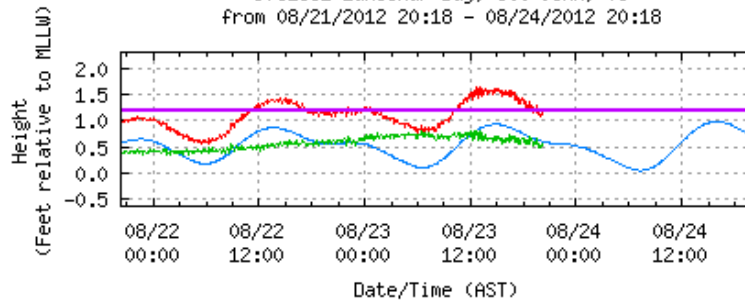
NOAA/NOS/CO-OPS  
Barometric Pressure Plot  
9751364 Christiansted Harbor, St Croix, VI  
from 08/21/2012 20:18 - 08/24/2012 20:18



barometric pressure —  
**Last Observed Sample: 08/23/2012 20:06 (AST)**  
**Barometric Pressure: 1011.3 mb**

[Lameshur Bay, St. John, VI](#) - [Return to List](#)

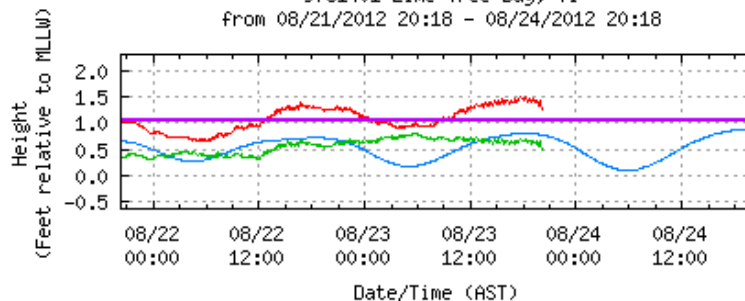
NOAA/NOS/CO-OPS  
Preliminary 6 min. Water Level vs. Predicted Plot  
9751381 Lameshur Bay, St. John, VI  
from 08/21/2012 20:18 - 08/24/2012 20:18



Predicted Tide — (Obs-Pred) —  
Observed WL — HAT —  
**Last Observed Sample: 08/23/2012 20:12 (AST)**  
**Relative to MLLW: Observed: 1.16 ft. Predicted: 0.60 ft. Residual: 0.56 ft.**  
**Historical Maximum Water Level: Aug 30 2010, 0.9 ft. above MHHW**

[Lime Tree Bay, VI](#) - [Return to List](#)

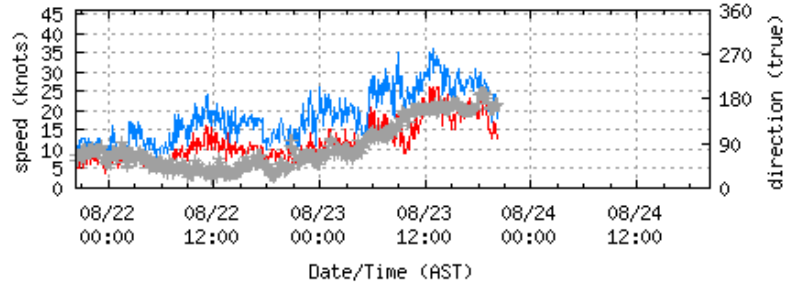
NOAA/NOS/CO-OPS  
Preliminary 6 min. Water Level vs. Predicted Plot  
9751401 Lime Tree Bay, VI  
from 08/21/2012 20:18 - 08/24/2012 20:18



Predicted Tide — (Obs-Pred) —  
Observed WL — HAT —  
**Last Observed Sample: 08/23/2012 20:06 (AST)**  
**Relative to MLLW: Observed: 1.28 ft. Predicted: 0.78 ft. Residual: 0.50 ft.**  
**Historical Maximum Water Level: Nov 17 1999, 1.88 ft. above MHHW**

[Lime Tree Bay, VI - Return to List](#)

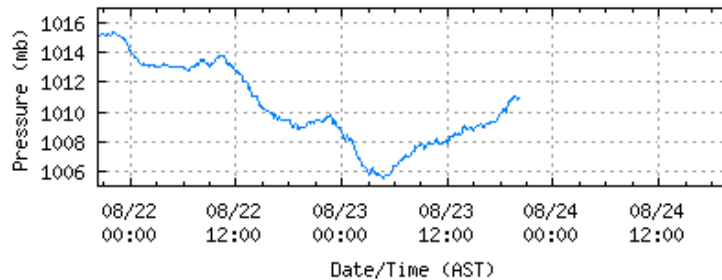
NOAA/NOS/CO-OPS  
Wind Speed/Gusts/Dir  
9751401 Lime Tree Bay, VI  
from 08/21/2012 20:18 - 08/24/2012 20:18



speed — gusts — direction +  
Last Observed Sample: 08/23/2012 20:06 (AST)  
Wind Speed: 13 knots Gusts: 18 knots Direction: 172° T

[Lime Tree Bay, VI - Return to List](#)

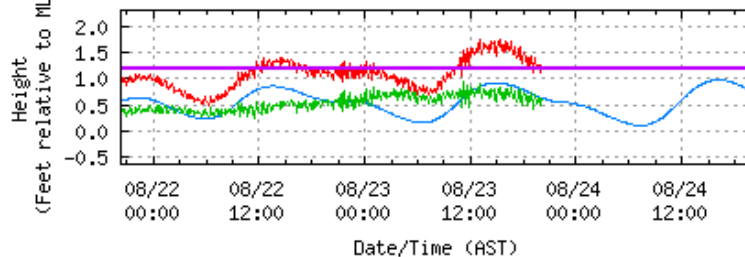
NOAA/NOS/CO-OPS  
Barometric Pressure Plot  
9751401 Lime Tree Bay, VI  
from 08/21/2012 20:18 - 08/24/2012 20:18



barometric pressure —  
Last Observed Sample: 08/23/2012 20:06 (AST)  
Barometric Pressure: 1010.9 mb

[Charlotte Amalie, VI - Return to List](#)

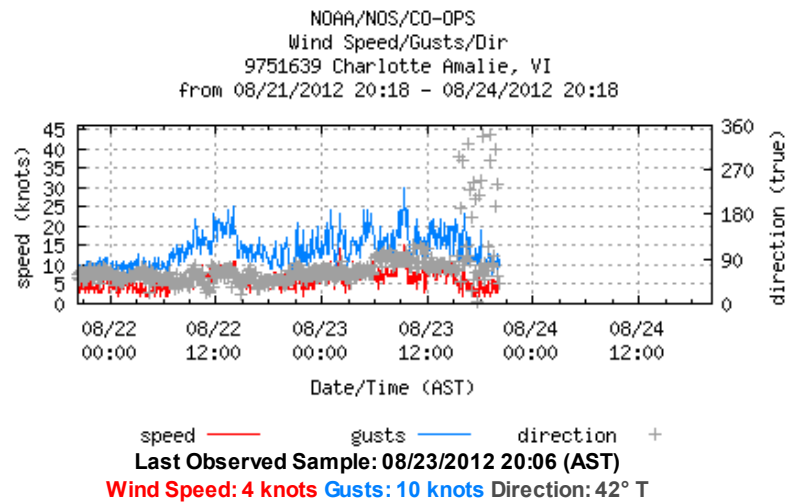
NOAA/NOS/CO-OPS  
Preliminary 6 min. Water Level vs. Predicted Plot  
9751639 Charlotte Amalie, VI  
from 08/21/2012 20:18 - 08/24/2012 20:18



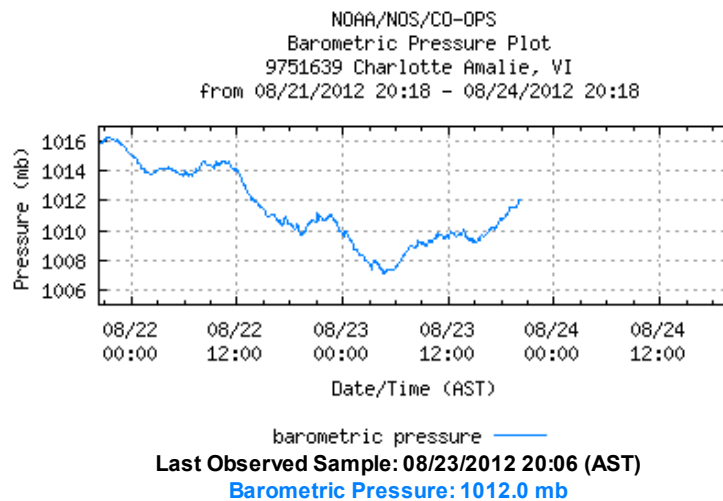
Predicted Tide — (Obs-Pred) —  
Observed WL — HAT —  
Last Observed Sample: 08/23/2012 20:06 (AST)

Relative to **MLLW**: **Observed: 1.22 ft. Predicted: 0.63 ft. Residual: 0.59 ft.**  
 Historical Maximum Water Level: Sep 16 1995, 2.93 ft. above **MHHW**

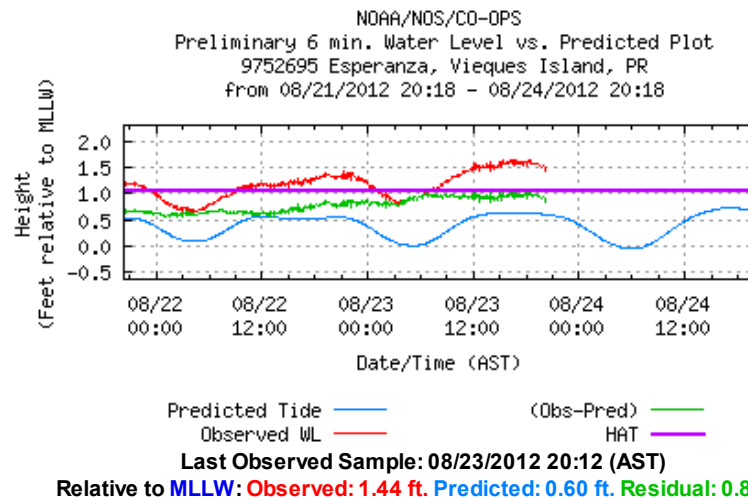
[Charlotte Amalie, VI](#) - [Return to List](#)

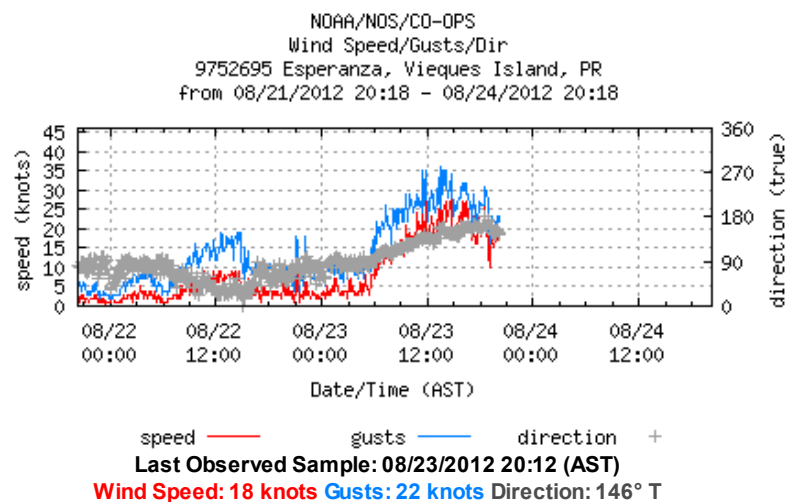
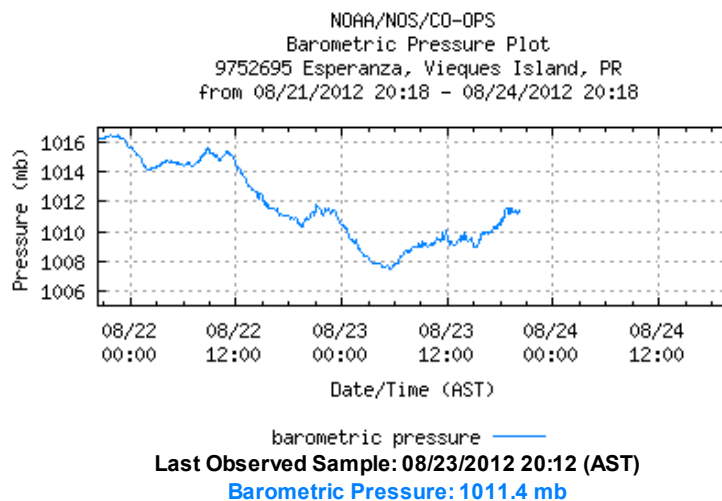


[Charlotte Amalie, VI](#) - [Return to List](#)

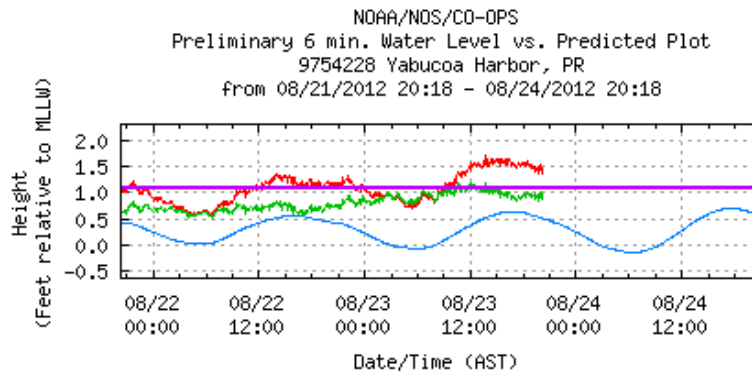


[Esperanza, Vieques Island, PR](#) - [Return to List](#)



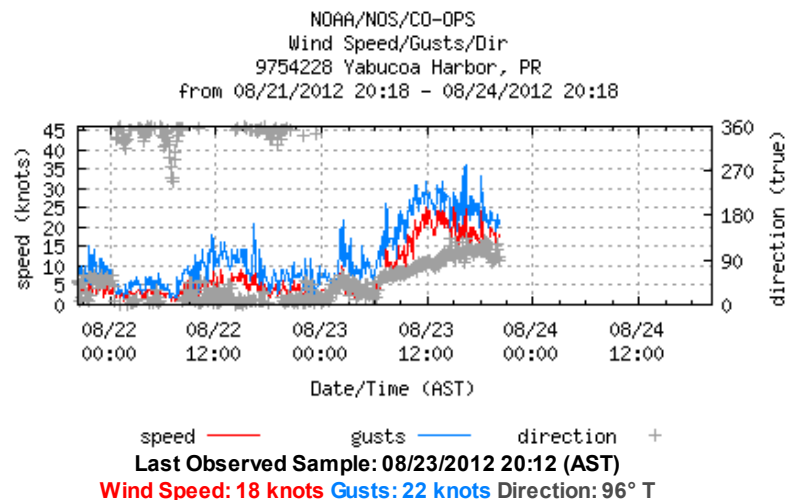
**Historical Maximum Water Level: Aug 22 2011, 1.04 ft. above [MHHW](#)****[Esperanza, Vieques Island, PR](#) - [Return to List](#)****[Esperanza, Vieques Island, PR](#) - [Return to List](#)****[Yabucoa Harbor, PR](#) - [Return to List](#)**



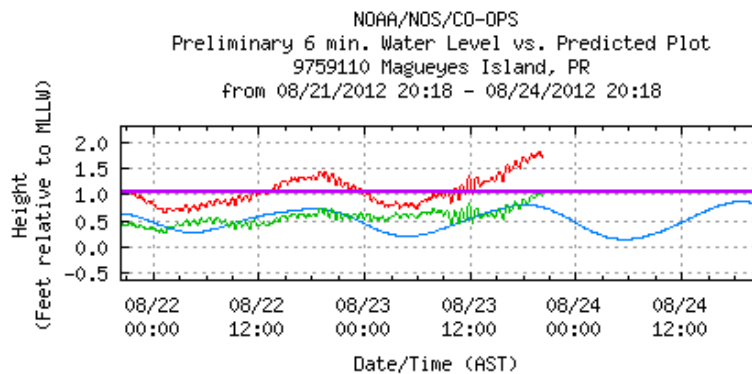


Last Observed Sample: 08/23/2012 20:12 (AST)  
Relative to **MLLW**: **Observed: 1.48 ft.** **Predicted: 0.51 ft.** **Residual: 0.97 ft.**  
Historical Maximum Water Level: , 0 ft. above **MHHW**

[Yabucoa Harbor, PR](#) - [Return to List](#)



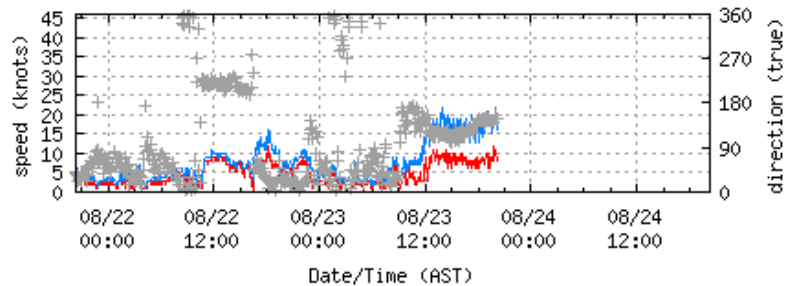
[Magueyes Island, PR](#) - [Return to List](#)



Last Observed Sample: 08/23/2012 20:12 (AST)  
Relative to **MLLW**: **Observed: 1.73 ft.** **Predicted: 0.76 ft.** **Residual: 0.97 ft.**  
Historical Maximum Water Level: Sep 22 1998, 1.6 ft. above **MHHW**

[Magueyes Island, PR](#) - [Return to List](#)

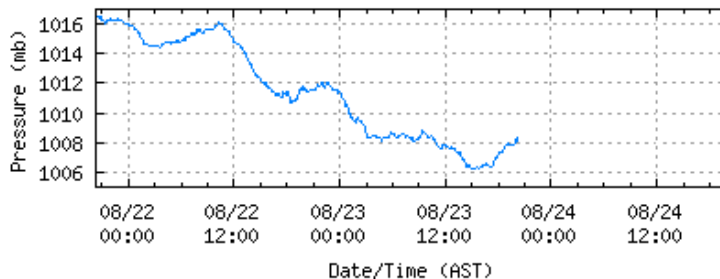
NOAA/NOS/CO-OPS  
Wind Speed/Gusts/Dir  
9759110 Magueyes Island, PR  
from 08/21/2012 20:18 - 08/24/2012 20:18



speed — gusts — direction +  
**Last Observed Sample: 08/23/2012 20:12 (AST)**  
**Wind Speed: 8 knots Gusts: 16 knots Direction: 150° T**

### [Magueyes Island, PR - Return to List](#)

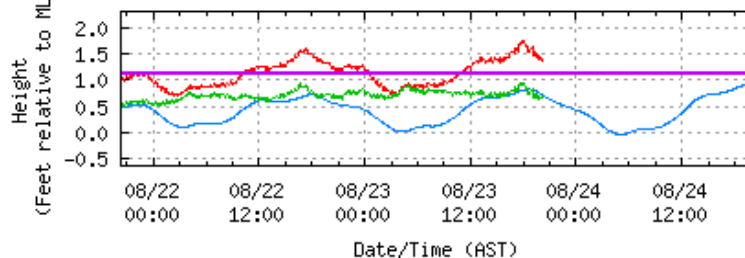
NOAA/NOS/CO-OPS  
Barometric Pressure Plot  
9759110 Magueyes Island, PR  
from 08/21/2012 20:18 - 08/24/2012 20:18



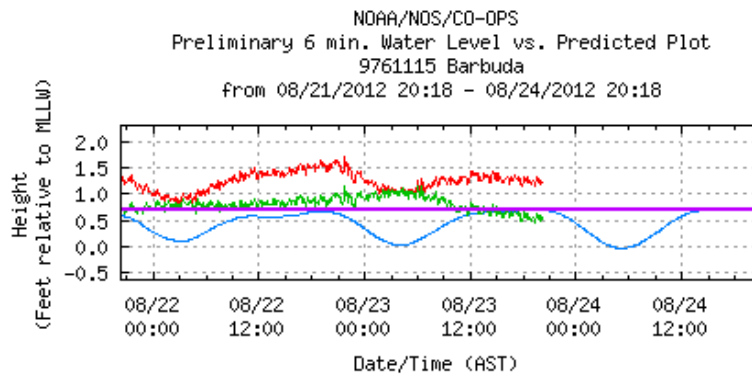
barometric pressure —  
**Last Observed Sample: 08/23/2012 20:12 (AST)**  
**Barometric Pressure: 1008.3 mb**

### [Mona Island, PR - Return to List](#)

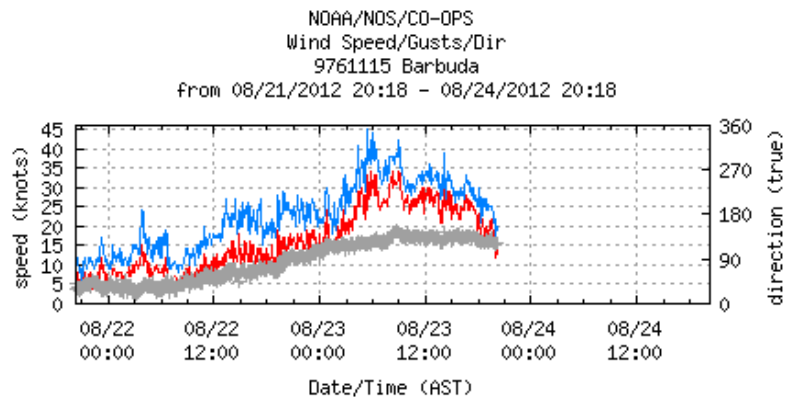
NOAA/NOS/CO-OPS  
Preliminary 6 min. Water Level vs. Predicted Plot  
9759938 Mona Island, PR  
from 08/21/2012 20:18 - 08/24/2012 20:18



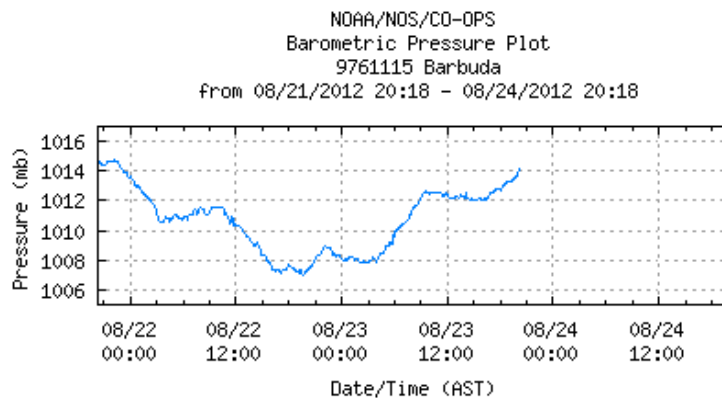
Predicted Tide — (Obs-Pred) —  
 Observed WL — HAT —  
**Last Observed Sample: 08/23/2012 20:12 (AST)**  
**Relative to MLLW: Observed: 1.38 ft. Predicted: 0.72 ft. Residual: 0.66 ft.**  
**Historical Maximum Water Level: Dec 23 2010, 1.26 ft. above MHHW**

[Barbuda - Return to List](#)

**Last Observed Sample: 08/23/2012 20:12 (AST)**  
**Relative to MLLW: Observed: 1.22 ft. Predicted: 0.70 ft. Residual: 0.52 ft.**  
**Historical Maximum Water Level: , ft. above MHHW**

[Barbuda - Return to List](#)

**Last Observed Sample: 08/23/2012 20:12 (AST)**  
**Wind Speed: 14 knots Gusts: 19 knots Direction: 121° T**

[Barbuda - Return to List](#)

**Last Observed Sample: 08/23/2012 20:12 (AST)**  
**Barometric Pressure: 1014.1 mb**

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)  
National Oceanic and Atmospheric Administration | U.S. Department of Commerce